A. CLASSIFICATION OF COLOR	ATION OF SUBJECT MATTER A61K38/16, A23L1/305, A61K38/0	00, A61P35/00, 37/04,			
	43/00//C07K14/47		·		
	mational Patent Classification (IPC) or to both national	classification and IPC			
B. FIELDS SEA	ARCHED	sification symbols)			
	Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ A61K38/16, A23L1/305, A61K38/00, A61P35/00, 37/04, 43/00//C07K14/47				
Jitsuyo Kokai Ji	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005				
CAP (STN	ase consulted during the international search (name of day), REGISTRY (STN), BIOSIS (STN), ITN), JOIS	ta base and, where practicable, search te MEDLINE (STN), EMBASE (S	rms used)		
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app		Relevant to claim No.		
P,X	Takuma SAKURAI et al., 'Lactor (LFH) no Rituximab ni yoru Hot Saibu Shogai Sayo (CDC) ni Oyo The Japanese Cancer Associatio (25 August, 2004 (25.08.04)), 308, P-0799	tai Izonsei no obosu Tenka Koka', on Sokai Kiji,	1-24		
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		· .	·		
× Further do	ocuments are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published after the international filing date or date and not in conflict with the application but cited to understone the principle or theory underlying the invention document of particular relevance; the claimed invention cannot of particular relevance; the clai		cation but cited to understand invention claimed invention cannot be idered to involve an inventive claimed invention cannot be step when the document is a documents, such combination is att			
Date of the actual 22 Jun	Date of the actual completion of the international search 22 June, 2005 (22.06.05) Date of mailing of the international search 05 July, 2005 (05.07.05)		rch report 07 : 05)		
Name and mailing address of the ISA/ Japanese Patent Office Authorized officer					
Facsimile No. Telephone No. Form PCT/ISA/210 (second sheet) (January 2004)					

itegory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	Puropati Bibui),	
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	Full text: Claims: page 24, 3rd line from the	
	bottom: page 52, 5th line from the bottom	
	сыл 98/33509 др. — & AU 9863076 В	
	& EP 1017407 A2 & US 6333311 B	
A	IIGO, M. et al., 'INHIBITORY EFFECTS OF BOVINE	1-24
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	METASTASIS IN MICE.', CLIN.EXP.METASTASIS,	
	(1999), Vol.17, No.1, pages 35 to 40, full	,
	text, REGISTRY NO.146897-68-9	
_	*** 00/12542 D2 (DIDUDPMD DC)	1-24
Α.	WO 00/12542 A2 (ALPHARMA AS), 09 March, 2000 (09.03.00),	
	Full text; Claim 21; example 16; REGISTRY	
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	L DI 0055268 B & EP 1109827 A2	1
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	LACTOFERRICIN.', ANTICANCER RES., (2002),	
	Vol.22, No.5, pages 2703 to 2710, full	
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	NO.170867-20-6	•
	& WO 00/12541 A2	
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A	JP 10-59864 A (Morinaga Milk Industry Co., Ltd.),	
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	Full text; REGISTRY NO.146897-68-9	
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	YOO, YC. et al., 'BOVINE LACTOFERRIN AND	1-24
A	LACTOFERRICIN INHIBIT TUMOR METASTASIS IN	
	MICE.', ADV. EXP. MED. BIOL., (1998), Vol. 443,	
	pages 285 to 291, full text, REGISTRY	
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A	YOO, YC. et al., 'APOPTOSIS IN HUMAN LEUKEMIC	1.24
	CELLS INDUCED BY LACTOFERRICIN, A BOVINE MILK	i
	PROTEIN-DERIVED PEPTIDE: INVOLVEMENT OF	
	REACTIVE OXYGEN SPECIES.', BIOCHEM.BIOPHYS. RES.COMMUN., (1997), Vol.237, No.3, pages	,
	RES.COMMUN., (1997), VOI.237, NO.3, 194965 624 to 628, full text, REGISTRY NO.146897-68-9	
	024 LO 020, LUII CEAC, MAGAZZINI	* .
		1

C (Continuation)	DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	YOO, YC. et al., 'BOVINE LACTOFERRIN AND LACTOFERRICIN, A PEPTIDE DERIVED FROM BOVINE LACTOFERRIN, INHIBIT TUMOR METASTASIS IN MICE.', JPN.J.CANCER RES., (1997), Vol.88, No.2, pages 184 to 190, full text, REGISTRY NO.146897-68-9	1-24.
A	ELIASSEN, LT. et al., 'ENHANCED ANTITUMOUR ACTIVITY OF 15-RESIDUE BOVINE LACTOFERRICIN DERIVATIVES CONTAINING BULKY AROMATIC AMINO ACIDS AND LIPOPHILIC N-TERMINAL MODIFICATION.', JOURNAL OF PEPTIDE SCIENCE, (2003), Vol.9, pages 510 to 517, full text, REGISTRY NO.146897-68-9	1-24
A	JP 8-73499 A (Snow Brand Milk Products Co., Ltd.), 19 March, 1996 (19.03.96), Full text; REGISTRY NO.170867-20-6 (Family: none)	1-24
A	JP 7-309771 A (Morinaga Milk Industry Co., Ltd.), 28 November, 1995 (28.11.95), Full text; REGISTRY NO.170867-20-6 (Family: none)	1-24
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i		
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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
1. X Claims becaus Claims the huma Internat Article 2. Claims	solves: 25, 26 see they relate to subject matter not required to be searched by this Authority, namely: 25 and 26 involve embodiments concerning methods for treatment of an body by therapy and thus relate to a subject matter which this cional Searching Authority is not required, under the provisions of 17(2)(a)(i) of the PCT (continued to extra sheet) s Nos.: see they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:
3. Claim because	is Nos.: se they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Internation	nal Searching Authority found multiple inventions in this international application, as follows:
claim 2. As all any a 3. As or	I required additional search fees were timely paid by the applicant, this international search report covers all searchable as. I searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of additional fee. Inly some of the required additional search fees were timely paid by the applicant, this international search report covers those claims for which fees were paid, specifically claims Nos.:
4. No restr	required additional search fees were timely paid by the applicant. Consequently, this international search report is international first mentioned in the claims; it is covered by claims Nos.:
Remark on P	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

Continuation of Box No.II-1 of continuation of first sheet(2)

and Rule 39.1(iv) of the Regulations under the PCT, to search.

<<Scope of search>>

Claims 1, 12, 13 and 23 relate to a medicine for enhancing the cytotoxic activity of antibody drug in the antibody therapy for cancer, wherein a "lactoferrin hydrolyzate that can be obtained by hydrolysis of lactoferrin with the use of a hydrolase" and "that in the antibody therapy for cancer, has the efficacy of enhancing the cytotoxic activity of antibody drug" is contained as an active ingredient. In this connection, as the composition of hydrolyzate obtained by hydrolysis of lactoferrin can be various depending on the type of hydrolase, hydrolysis conditions, etc., it appears that a large variety of compositions are comprehended in the above "lactoferrin hydrolyzate". However, only the hydrolyzate obtained by hydrolysis under specified conditions with the use of pepsin being a particular hydrolase is fully supported by the description within the meaning of PCT Article 6 and fully disclosed therein within the meaning of PCT Article 5.

On the other hand, claims 8, 12, 20 and 24 relate to a medicine for enhancing the cytotoxic activity of antibody drug in the antibody therapy for cancer, wherein one type or two or more types of peptides satisfying any of the requirements (a) to (d) are contained as an active ingredient. In this connection, it appears that the peptides satisfying any of the requirements (a) to (d) cover various peptides having differentiated lengths and sequence patterns. However, only employment of mixtures containing extremely limited peptides obtained by hydrolysis of lactoferrin under specified conditions, namely, peptides of SEQ ID NOS. 2 and 3 is fully supported by the description within the meaning of PCT Article 6 and fully disclosed therein within the meaning of PCT Article 5.

Therefore, search on claims 1-24 has been substantially restricted to the interaction between lactoferrin hydrolyzate and antibody and/or complement and to medicines for enhancing the cytotoxic activity of antibody drug in the antibody therapy for cancer, wherein a peptide of 25 or 26 sequential amino acid length composed of an amino acid sequence of SEQ ID NO. 2 or 3 is contained as an active ingredient.